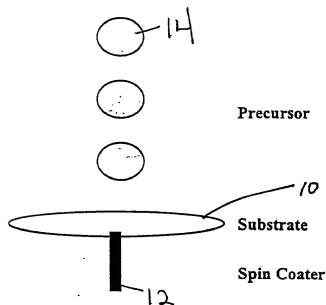


Film Preparation

Deposition



Spin Coating

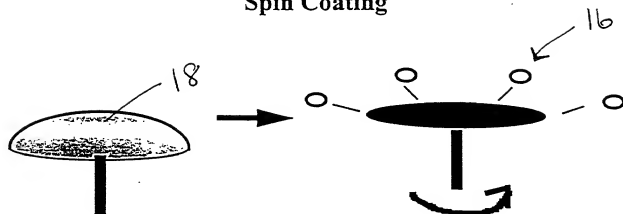


FIGURE 1

Solution Preparation

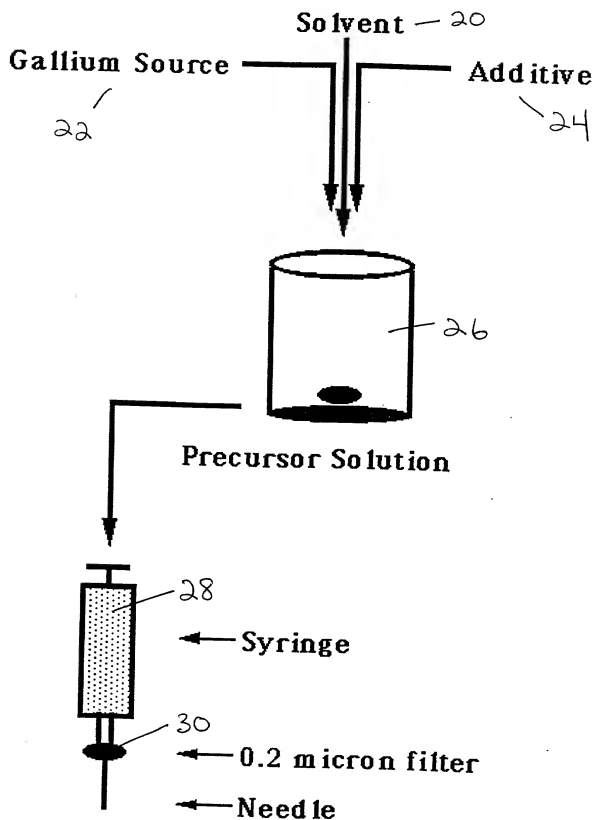
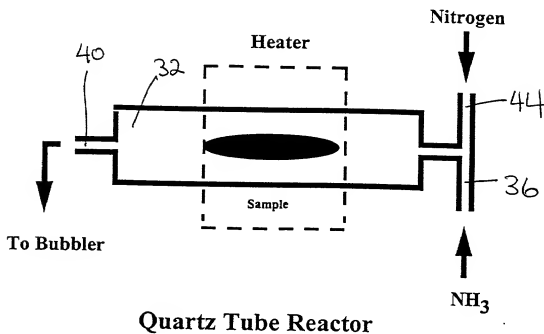


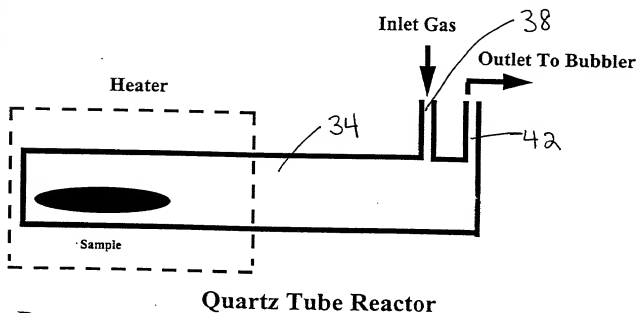
FIGURE 2

Flow Through Reaction Tube



A

Schlenk Reaction Tube



B

FIGURE 3

Mass Spectrometer Experiment

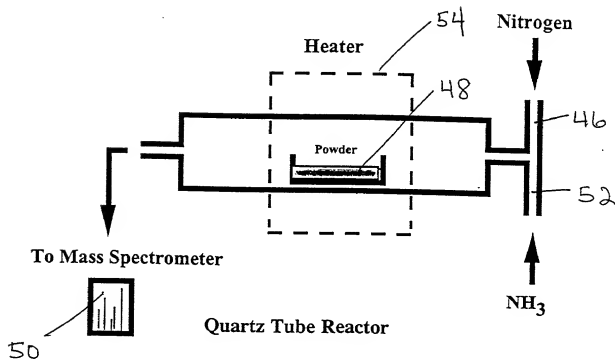


FIGURE 4

(C-plane) Al₂O₃ Substrate

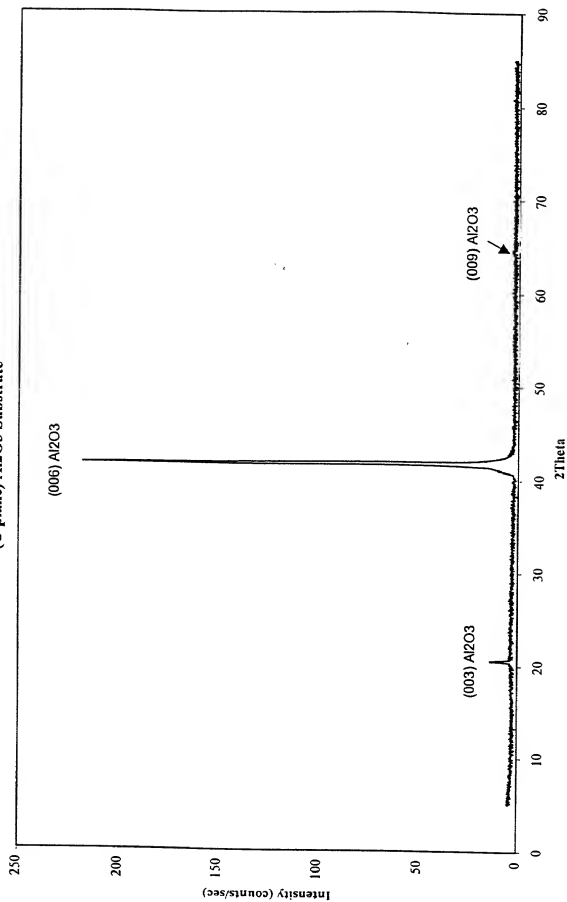


FIGURE 5A

GaN from GDA, 1000C

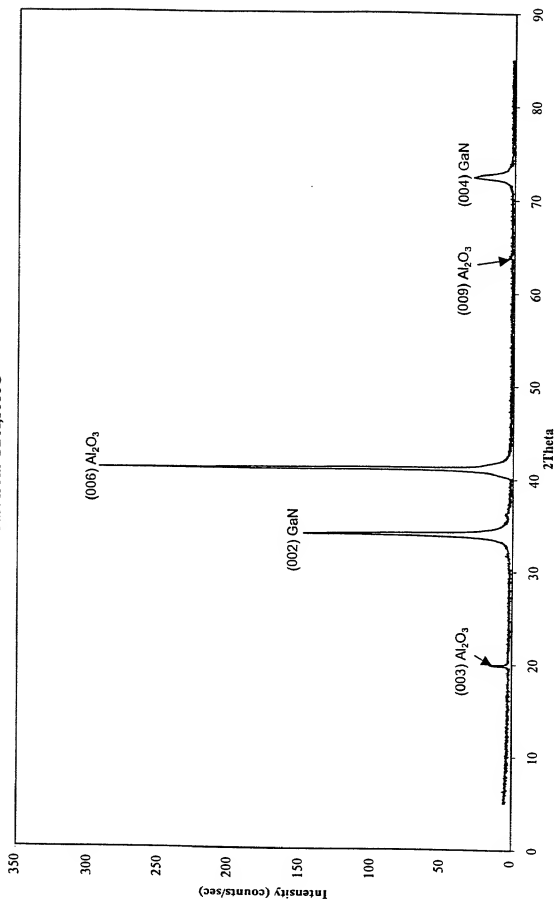


FIGURE 5B

100211-8968660

Off-Axis Phi Scan, GaN on Al₂O₃

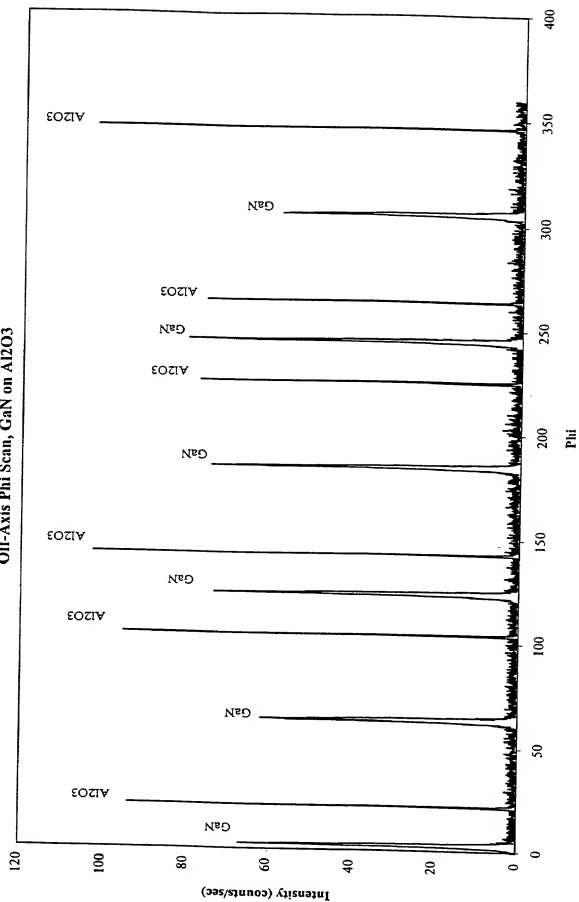


FIGURE 6

0000000112001

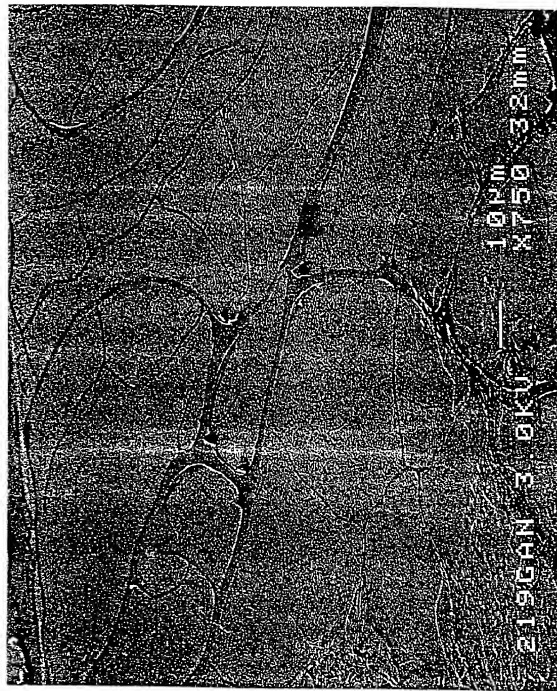


FIGURE 7

FOOZET-6966666

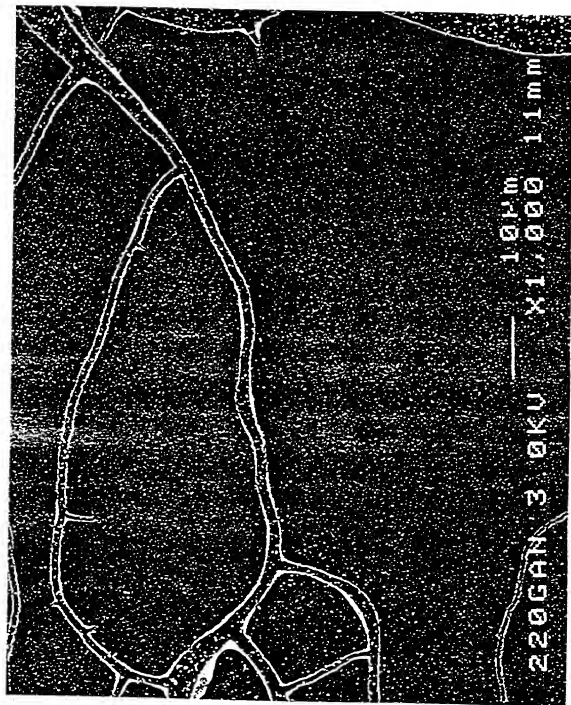


FIGURE 8

00000000 112001

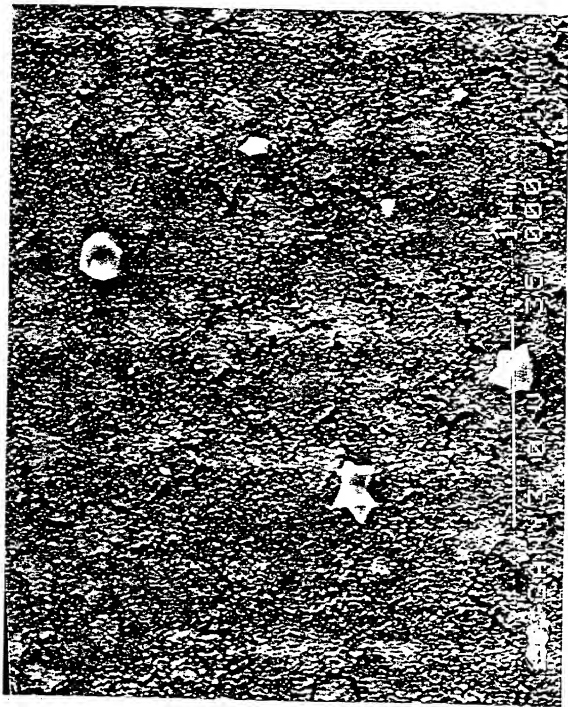


FIGURE 9

100211-0968860

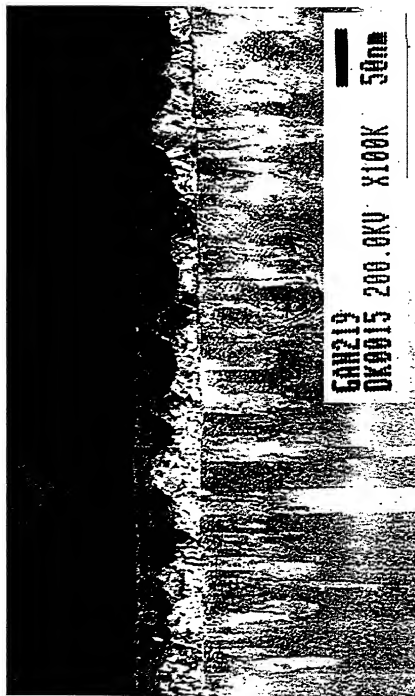


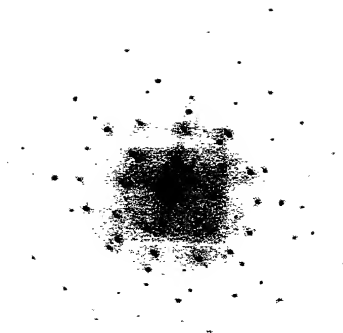
FIGURE 10

00000000 112001

GAH219
DK0009 200.0KV 83.0cm

FIGURE 11

100277-6266868



CAN219
GEN013 200.0KV 83.6cm

FIGURE 12

FIGURE 13

100211-69000000



FIGURE 14

100nm

CD41280C (IP: IN3)

FIGURE 15

09889859.112001

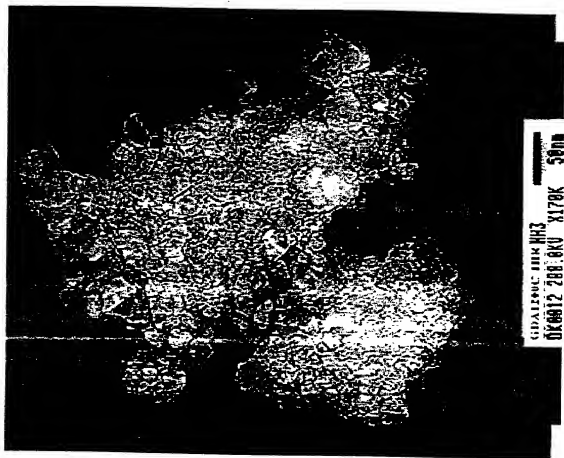


FIGURE 16

120211-00000000

GaN from GDA, 600C

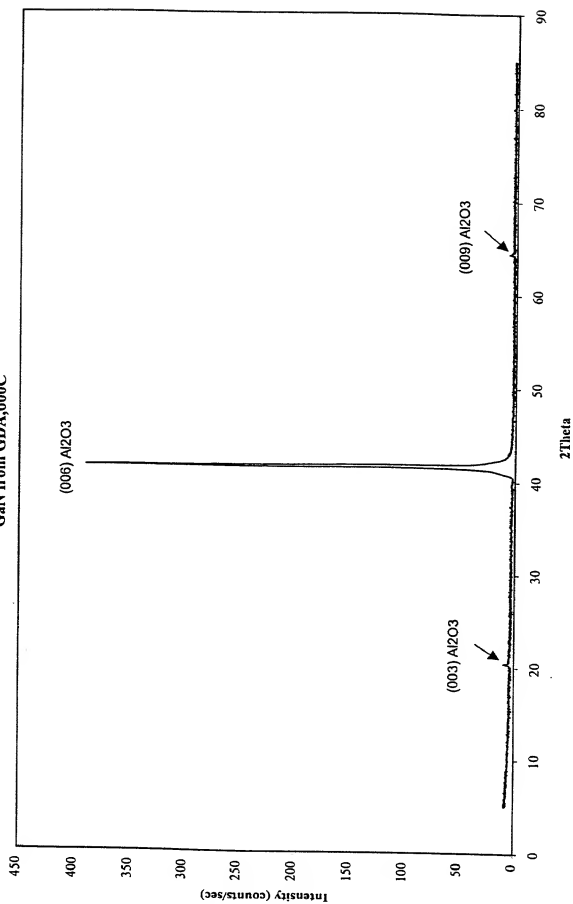


FIGURE 17A

100211-0000000

GaN from GDA, 800C

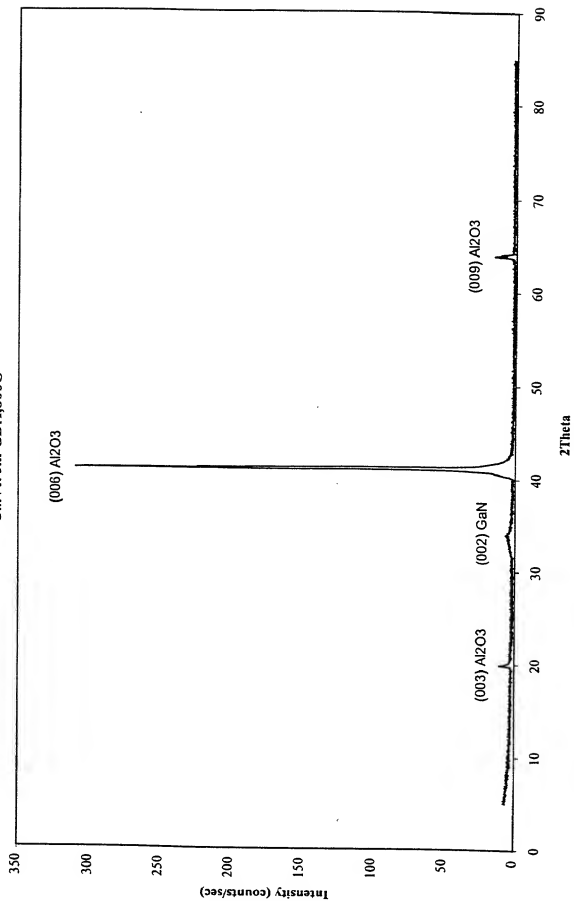


FIGURE 17B

PDF# 0908003

GaN from GDA,900C

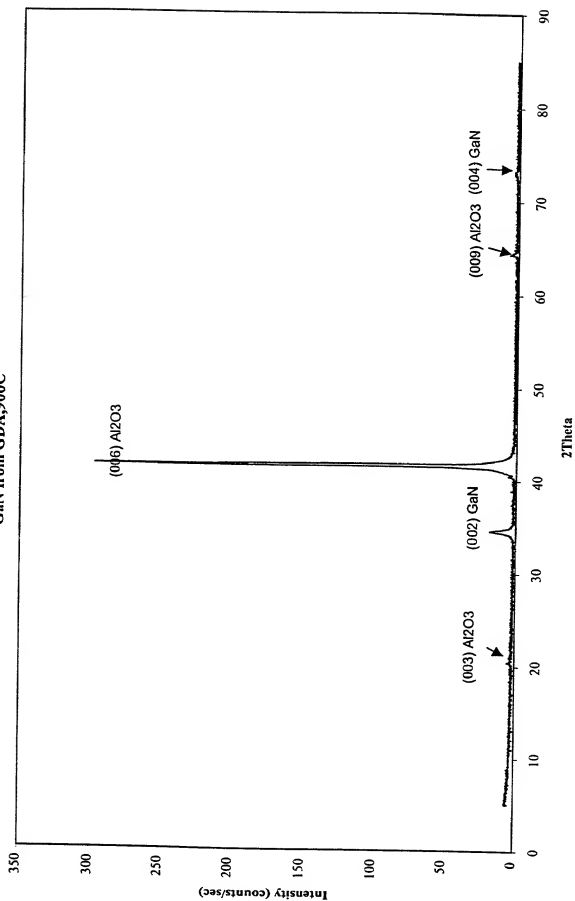


FIGURE 17C

100211-0000000

GaN from GDA, 1000C

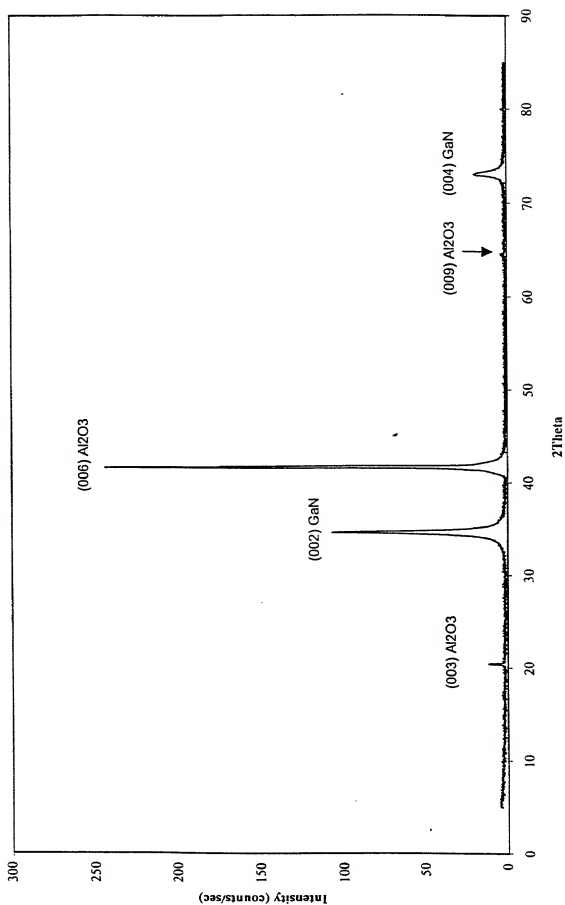


FIGURE 17D

T00211-60000000
GaN Powder from Ga₂O₃ in Ammonia

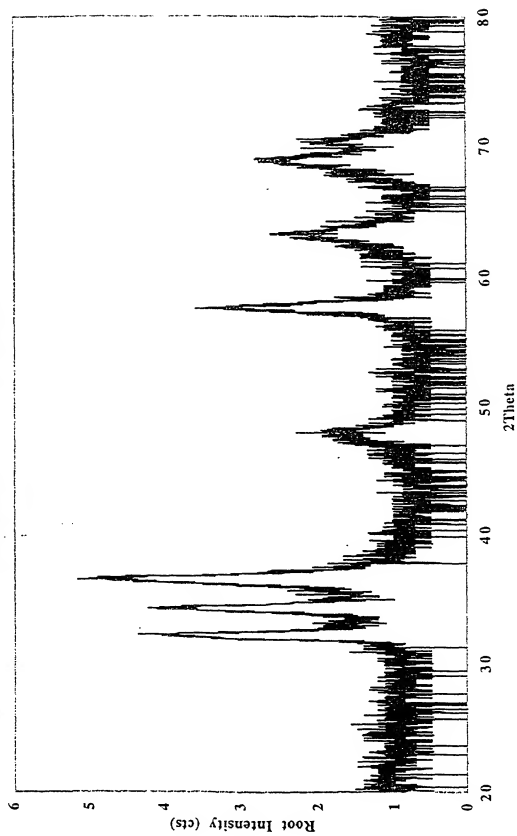


FIGURE 18

100211-0908000
GaN Film from GNO Precursor (1 coat)

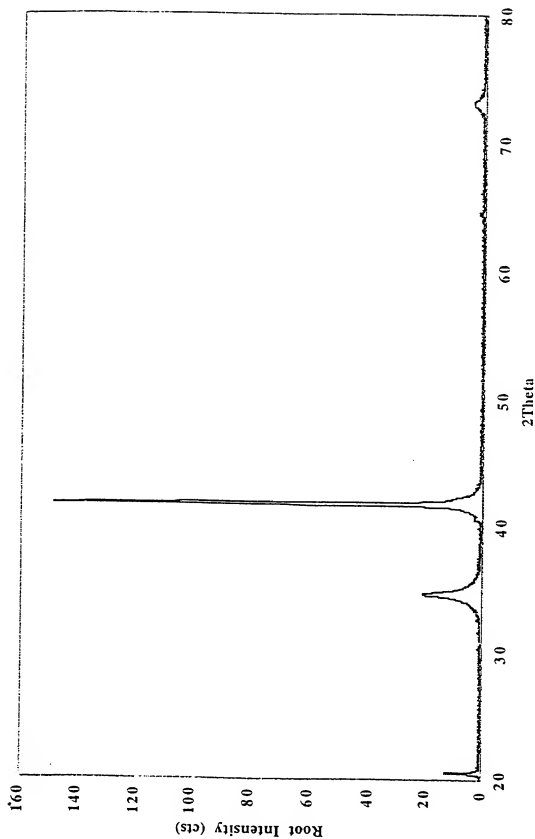


FIGURE 19A

FD02ET 69668669

GaN Film from GIP Precursor

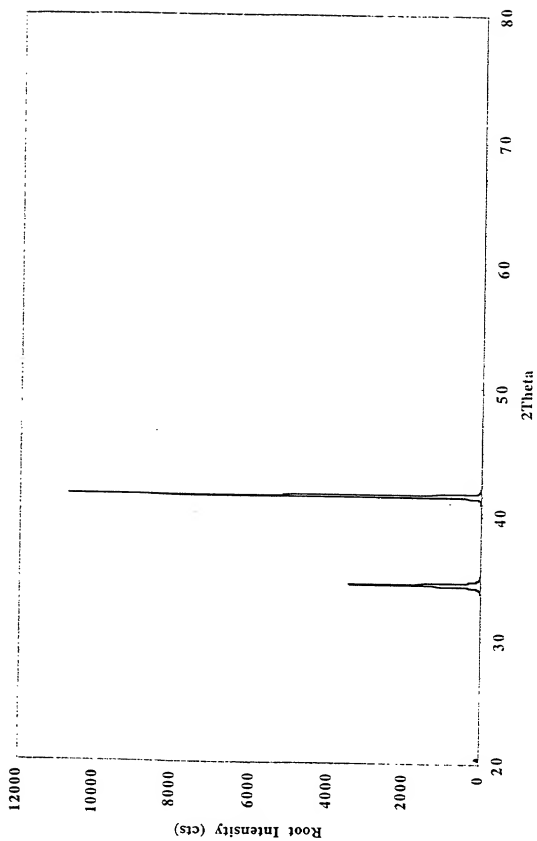


FIGURE 19B

100211-000000

Off Axis Phi Scan of Gan Film from GIP Precursor

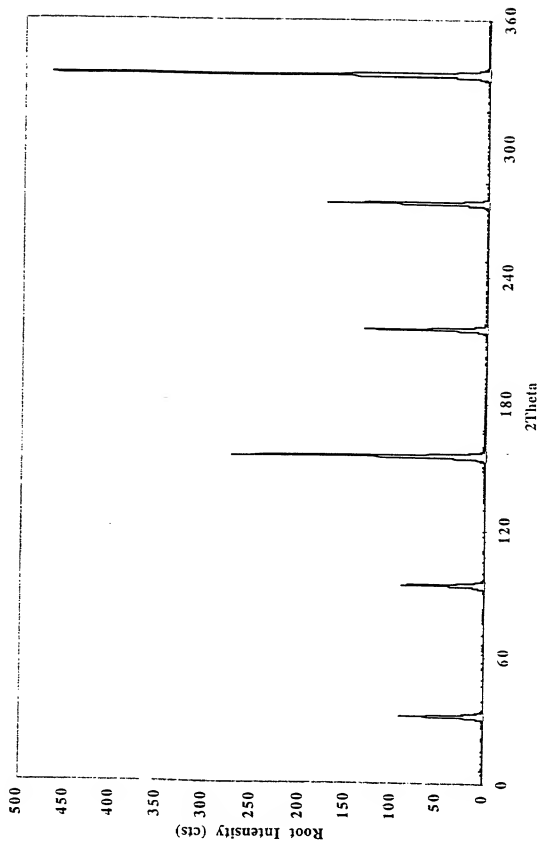


FIGURE 20

FOOT-0900000

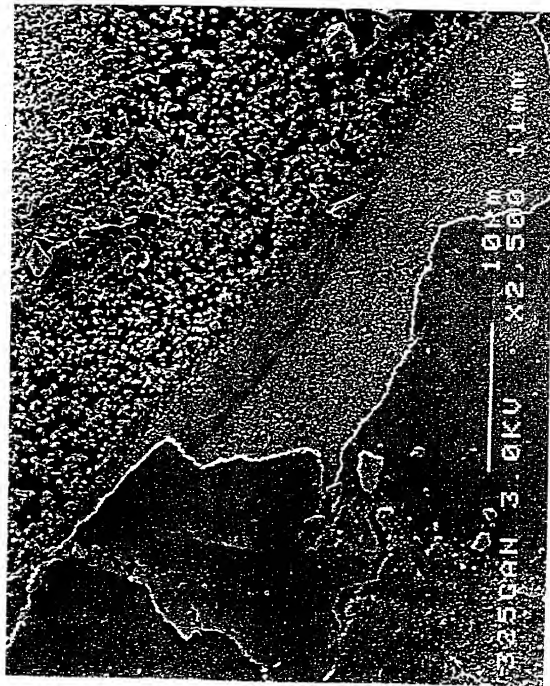


FIGURE 21

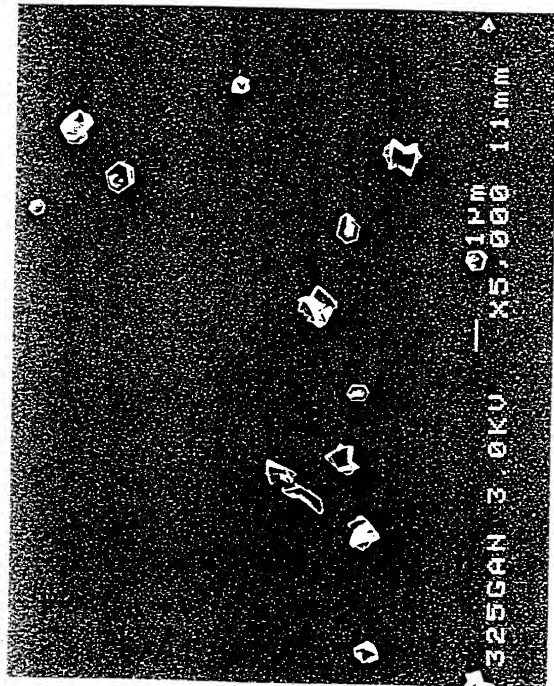


FIGURE 22

100277-00000000

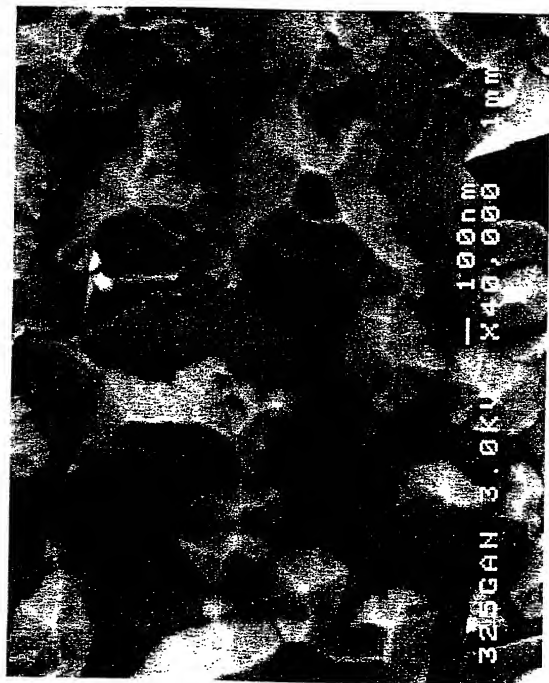


FIGURE 23

100211-65000000

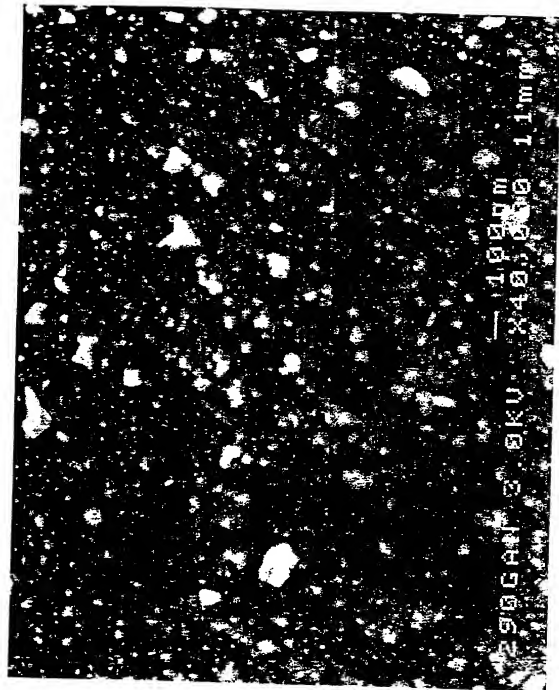


FIGURE 24

100211-0000000



FIGURE 25

GaN Film from GNO Precursor (2 coats)

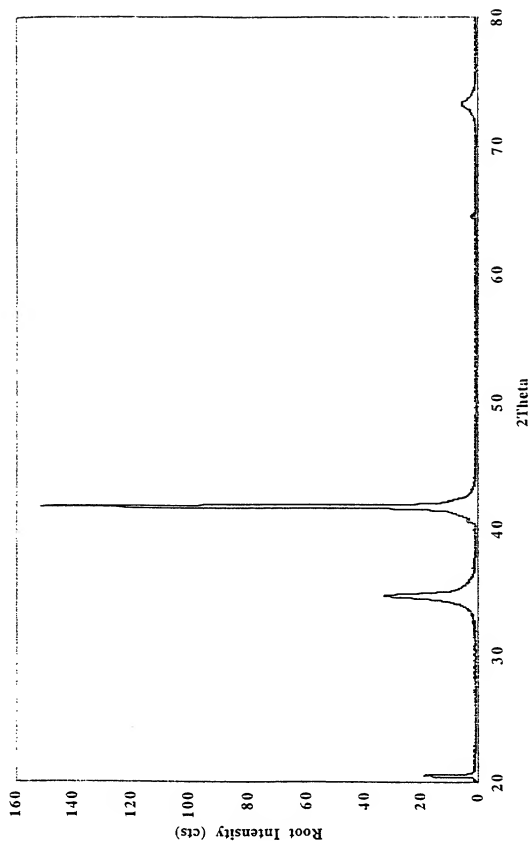


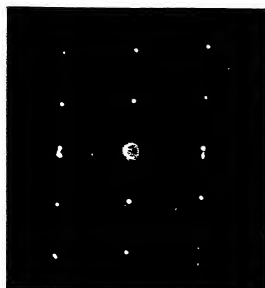
FIGURE 26



(a)



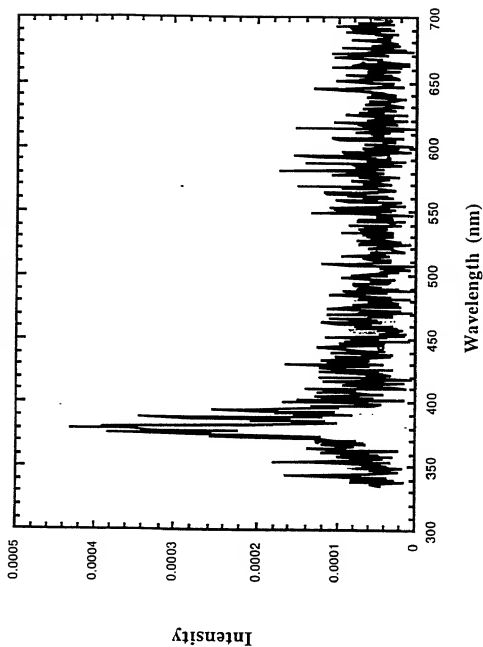
(b)



(c)

FIGURE 27

GaN290 77K

**FIGURE 28**